CFP2000 Result

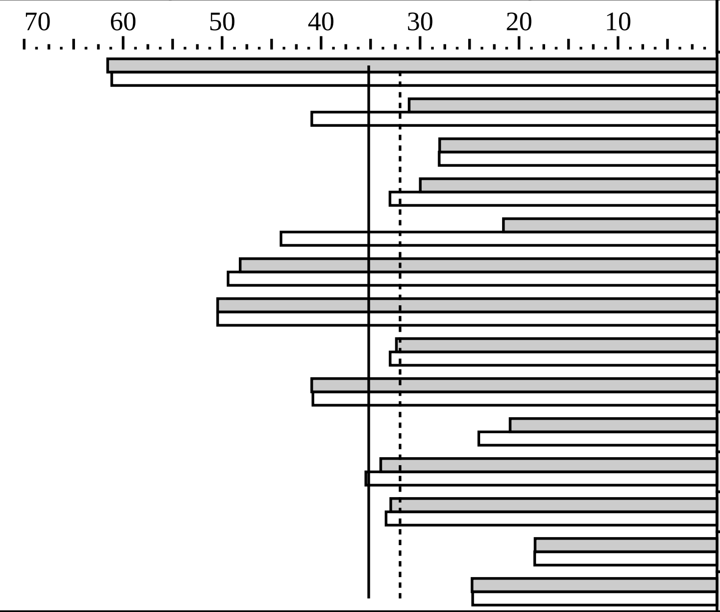
ASUS Computer International

Asus M2N32-SLI Deluxe, AMD Athlon (TM) 64 5000+

SPECfp_rate2000 = 35.2

SPECfp_rate_base2000 = 32.0

SPEC license #: 13	Tested by: Intel Corporation	Test date: Jul-2006	Hardware Avail: Jun-2006	Software Avail: Jun-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	60.3	61.6	2	60.7	61.1
171.swim	2	231	31.1	2	176	40.9
172.mgrid	2	149	28.0	2	149	28.1
173.applu	2	163	30.0	2	147	33.0
177.mesa	2	151	21.6	2	73.7	44.1
178.galgel	2	140	48.2	2	136	49.4
179.art	2	120	50.5	2	120	50.5
183.equake	2	93.1	32.4	2	91.3	33.0
187.facerec	2	108	40.9	2	108	40.8
188.ammp	2	244	20.9	2	212	24.1
189.lucas	2	137	34.0	2	131	35.5
191.fma3d	2	148	33.0	2	146	33.4
200.sixtrack	2	139	18.4	2	139	18.4
301.apsi	2	244	24.7	2	244	24.7

Hardware

CPU:	AMD Athlon (TM) 64 5000+
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
Parallel:	no
Primary Cache:	64KBI + 64KBD on chip, per core
Secondary Cache:	512KB (I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2x1 GB, Corsair CM2X1024-8500C5 DDR2-1066 (manually set to DDR2-800 5-5-5-15 in the bios)
Disk Subsystem:	SATA, Western Digital WD740GD, 10000 rpm
Other Hardware:	None

Software

Operating System:	Microsoft Windows XP SP2
Compiler:	Intel C++ 9.1 build 20060519Z for IA32, Intel Fortran 9.1 build 20060519Z for IA32, PGI Fortran compiler 6.0-5 for Windows XP, PGI C compiler 6.0-5 for Windows XP, ACML Version 2.5.3 (bundled with PGI 6.0-5)
File System:	NTFS
System State:	default

Notes/Tuning Information

```
+FDO:
 icl, ifort  : PASS1=-Qprof_gen  PASS2=-Qprof_use
 pgf90       : PASS1=-Mpfi       PASS2=-Mpfo
ifort is the Intel Fortran compiler, icl is the Intel C++ compiler and
pgf90 is the PGI Fortran 90 compiler.
pgcc is the PGI C compiler.
ONESTEP is set to 1 for every compile with the PGI compilers.
Portability:
178.galgel:                    -Mfixed
Baseline: C       :  pgcc    -fastsse -Mipa=fast,inline
Baseline: Fortran:  pgf90   -fastsse -Mipa=fast,inline +FDO
Peak tuning:
168.wupwise:        pgf90   -fastsse -Mipa=fast,inline -Mnovect
171.swim:           ifort   -Qipo  -O3  -QaxN -QxW -Qunroll0 +FDO
172.mgrid:          pgf90   -fastsse -Mipa=fast,inline
173.applu:          ifort   -Qipo  -O3 -QaxN -QxW -auto +FDO
177.mesa:           icl     -Qipo -arch:SSE2 -Qunroll1 -Qansi_alias +FDO
```

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Notes/Tuning Information (Continued)

```
                              -Qoption,f,-ip_ninl_max_stats=1500,-ip_ninl_max_total_stats=4500
      178.galgel:         pgf90   -fastsse -Mipa=fast,safe -Munix -lacml
                                  RM_SOURCES=lapak.f90
      179.art:            pgcc     basepeak=yes
      183.equake:         icl     -fast -arch:SSE2 -QaxW +FDO
      187.facerec:        pgf90   -fastsse -Mipa=fast,inline +FDO
      188.ammp:           icl     -Oa   -arch:SSE2  -Zp4 -Qansi_alias
      189.lucas:          ifort   -Qipo -QxW -Qunroll1
      191.fma3d:          pgf90   -Mipa=fast,inline -fastsse -Mnovect +FDO
      200.sixtrack:       pgf90   -fastsse -Mipa=fast,inline
      301.apsi:           pgf90   -fastsse -Mipa=fast,inline
     The SUT was built with a discrete PCIe graphics card (ATI Radeon X850 XT)
     and an ATX 550W power supply. The 2 DIMMs were configured in dual-channel mode.
```